

A

H.sapiens :	5' -AAAGGAGGAAA <u>UAGGCAGGCCA</u> -3'	(22nt)
P.troglodytes :	5' -AAAGGAGGAAA <u>UAGGCAGGCCA</u> -3'	(22nt)
G.gorilla :	5' -AAAGGAGGAAA <u>UAGGCAGGCCAG</u> -3'	(23nt)
P.pygmaeus :	5' -AAGGAGGAAA <u>UAGGCAGGCCAG</u> -3'	(22nt)
M.mulatta :	5' -GAAGGAGGAA <u>CAGGCAGGCCAG</u> -3'	(23nt)
C.sabaeus :	5' -GAAGGAGGAA <u>CAGGCAGGCCAG</u> -3'	(23nt)

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B

H.sapiens 3'UTR NF90:	5' -TTTCTGGCAGGTGCCCTCCTTG-3'
hsa-miR-3173-3p:	3' -ACCGGACGGAUAAA GGAGGAA A-5'
P.troglodytes 3'UTR NF90:	5' -TTTCTGGCAGGTGCCCTCCTTG-3'
ptr-miR-3173-3p:	3' -ACCGGACGGAUAAA GGAGGAA A-5'
G.gorilla 3'UTR NF90:	5' -TTTCTGGCAGGTGCCCTCCTTG-3'
ggo-miR-3173-3p:	3' -GACCGGACGGAUAAA GGAGGAA A-5'
M.mulatta 3'UTR NF90:	5' -TTTCTGGCAGGTGTCCCTCCTTG-3'
mml-miR-3173-3p:	3' -GACCGGACGGACAAA GGAGGAA G-5'
C.sabaeus 3'UTR NF90:	5' -TTTCTGGCAGGTGTCCCTCCTTG-3'
ENSCSAT00000026973.1:	3' -GACCGGACGGACAAA GGAGGAA G-5'

C

Primate group	Species	miR-3173-3p target site	miR-3173-3p
Old world monkey	H. sapiens	+	+
	P. troglodytes	+	+
	G. gorilla	+	+
	M. mulatta	+	+
	C. sabaeus	+	+
New world monkey	C. jacchus	+	-
Tarsiiforme	C. syrichta	+	-
Strepsirrhini	O. garnettii	+	-
-	M. musculus	-	-

Figure S4 Conservation of miR-3173-3p and the region of NF90 3' UTR containing the miR-3173-3p binding site. **(A)** Alignment of miR-3173-3p sequences that have been identified. Sequences were obtained from miRBase or ENSEMBL. The seed region of hsa-mir-3173-3p is underlined. Asterisks below the alignment indicate nts that are conserved among the species. **(B)** Alignment of sequences in the 3' UTR of NF90 from primates encoding miR-3173. NF90 mRNA sequences were obtained from NCBI. The sequence corresponding to the seed region of human miR-3173-3p is shown in red. **(C)** Table indicating the presence of miR-3173-3p in NF90 3' UTR and miR-3173-3p in the genomes of primates from different groups as well as mouse.